

WHAT IS CLAIMED IS:

- 1        1.     A method for providing user location information for a personal information  
2 management program, comprising:
  - 3                providing a plurality of records for a user of a wireless device, wherein each user  
4 record includes at least one position coordinate and an associated time indicating a location of  
5 the wireless device at the time and the position coordinate;
  - 6                providing records for transmitting devices, wherein each transmitting device record  
7 includes at least one position coordinate and an associated location description providing  
8 information on the position coordinate in the records; and
  - 9                adding the location description from at least one of the transmitting device records to at  
10 least one record associated with the user of the wireless device.
- 1        2.     The method of claim 1, further comprising:
  - 2                determining one transmitting device record including one position coordinate that is  
3 within a proximity to one position coordinate in one user record, wherein the location  
4 description from the determined transmitting device record is added to the user record having  
5 the position coordinate within the proximity to the position coordinate of the determined  
6 transmitting device record.
- 1        3.     The method of claim 1, wherein the transmitting devices comprise wireless  
2 devices associated with other users and fixed location transmitters associated with a location  
3 providing information on a location.
- 1        4.     The method of claim 1, wherein the user records further include a list identifying  
2 one or more transmitting devices within a proximity to the wireless device of the user.

1       5.     The method of claim 4, wherein the added location description is from one  
2 record for one transmitting device identified in the list.

1       6.     The method of claim 5, further comprising:  
2           determining one record for one of the transmitting devices identified in the list including  
3 one position coordinate within a proximity to one position coordinate of one user record,  
4 wherein the location description from the determined transmitting device record is added to the  
5 user record having the position coordinate within the proximity to the position coordinate of the  
6 determined transmitting device record.

1       7.     The method of claim 4, further comprising:  
2           receiving, with the user wireless device, wireless transmissions from proximate  
3 transmitting devices, wherein each wireless transmission identifies one transmitting device; and  
4 adding to the list each transmitting device identified in each wireless transmission.

1       8.     The method of claim 7, wherein the transmitting devices identified in the list are  
2 in the proximity of the position coordinate in the user record including the list.

1       9.     The method of claim 1, further comprising:  
2           searching a database of transmitting device records to determine one transmitting  
3 device record including one position coordinate within a proximity to the position coordinate in  
4 one user record, wherein the location description from the determined transmitting device  
5 record is added to the user record having the position coordinate within the proximity to the  
6 position coordinate of the determined transmitting device record.

1        10.     The method of claim 1, wherein the transmitting device records further provide  
2     a time associated with the position coordinate indicating a time the transmitting device was  
3     located at the position coordinate.

1        11.     The method of claim 1, wherein at least one transmitting device record indicates  
2     a location boundary defining multiple position coordinates, wherein the location description in  
3     the transmitting device record provides information on the location boundary.

1        12.     The method of claim 1, wherein the location description added from the  
2     transmitting device record to the record associated with the user includes a multimedia file  
3     providing information in a multimedia format on the location.

1        13.     A system for providing user location information for a personal information  
2     management program, comprising:

3              means for providing a plurality of records for a user of a wireless device, wherein each  
4     user record includes at least one position coordinate and an associated time indicating a  
5     location of the wireless device at the time and the position coordinate;

6              means for providing records for transmitting devices, wherein each transmitting device  
7     record includes at least one position coordinate and an associated location description  
8     providing information on the position coordinate in the records; and

9              means for adding the location description from at least one of the transmitting device  
10   records to at least one record associated with the user of the wireless device.

1        14.     The system of claim 13, further comprising:

2              means for determining one transmitting device record including one position coordinate  
3     that is within a proximity to one position coordinate in one user record, wherein the location  
4     description from the determined transmitting device record is added to the user record having

5 the position coordinate within the proximity to the position coordinate of the determined  
6 transmitting device record.

1           15. The system of claim 13, wherein the transmitting devices comprise wireless  
2 devices associated with other users and fixed location transmitters associated with a location  
3 providing information on a location.

1           16. The system of claim 13, wherein the user records further include a list  
2 identifying one or more transmitting devices within a proximity to the wireless device of the user.

1           17. The system of claim 16, wherein the added location description is from one  
2 record for one transmitting device identified in the list.

1           18. The system of claim 17, further comprising:  
2           means for determining one record for one of the transmitting devices identified in the list  
3 including one position coordinate within a proximity to one position coordinate of one user  
4 record, wherein the location description from the determined transmitting device record is  
5 added to the user record having the position coordinate within the proximity to the position  
6 coordinate of the determined transmitting device record.

1           19. The system of claim 16, further comprising:  
2           means for receiving, implemented within the user wireless device, wireless transmissions  
3 from proximate transmitting devices, wherein each wireless transmission identifies one  
4 transmitting device; and  
5           means for adding to the list each transmitting device identified in each wireless  
6 transmission.

1        20.     The system of claim 19, wherein the transmitting devices identified in the list are  
2     in the proximity of the position coordinate in the user record including the list.

1        21.     The system of claim 13, further comprising:  
2              means for searching a database of transmitting device records to determine one  
3     transmitting device record including one position coordinate within a proximity to the position  
4     coordinate in one user record, wherein the location description from the determined transmitting  
5     device record is added to the user record having the position coordinate within the proximity to  
6     the position coordinate of the determined transmitting device record.

1        22.     The system of claim 13, further comprising means for providing a time in the  
2     transmitting device records associated with the position coordinate indicating a time the  
3     transmitting device was located at the position coordinate.

1        23.     The system of claim 13, wherein at least one transmitting device record  
2     indicates a location boundary defining multiple position coordinates, wherein the location  
3     description in the transmitting device record provides information on the location boundary.

1        24.     The system of claim 13, wherein the location description added from the  
2     transmitting device record to the record associated with the user includes a multimedia file  
3     providing information in a multimedia format on the location.

1        25.     An article of manufacture comprising code for providing user location  
2     information for a personal information management program by:  
3              providing a plurality of records for a user of a wireless device, wherein each user  
4     record includes at least one position coordinate and an associated time indicating a location of  
5     the wireless device at the time and the position coordinate;

6           providing records for transmitting devices, wherein each transmitting device record  
7   includes at least one position coordinate and an associated location description providing  
8   information on the position coordinate in the records; and  
9           adding the location description from at least one of the transmitting device records to at  
10   least one record associated with the user of the wireless device.

1           26.     The article of manufacture of claim 25, further comprising:  
2           determining one transmitting device record including one position coordinate that is  
3   within a proximity to one position coordinate in one user record, wherein the location  
4   description from the determined transmitting device record is added to the user record having  
5   the position coordinate within the proximity to the position coordinate of the determined  
6   transmitting device record.

1           27.     The article of manufacture of claim 25, wherein the transmitting devices  
2   comprise wireless devices associated with other users and fixed location transmitters associated  
3   with a location providing information on a location.

1           28.     The article of manufacture of claim 25, wherein the user records further include  
2   a list identifying one or more transmitting devices within a proximity to the wireless device of the  
3   user.

1           29.     The article of manufacture of claim 28, wherein the added location description  
2   is from one record for one transmitting device identified in the list.

1           30.     The article of manufacture of claim 29, further comprising:  
2           determining one record for one of the transmitting devices identified in the list including  
3   one position coordinate within a proximity to one position coordinate of one user record,

4 wherein the location description from the determined transmitting device record is added to the  
5 user record having the position coordinate within the proximity to the position coordinate of the  
6 determined transmitting device record.

1       31.     The article of manufacture of claim 28, further comprising:  
2           receiving, with the user wireless device, wireless transmissions from proximate  
3 transmitting devices, wherein each wireless transmission identifies one transmitting device; and  
4           adding to the list each transmitting device identified in each wireless transmission.

1       32.     The article of manufacture of claim 31, wherein the transmitting devices  
2 identified in the list are in the proximity of the position coordinate in the user record including the  
3 list.

1       33.     The article of manufacture of claim 25, further comprising:  
2           searching a database of transmitting device records to determine one transmitting  
3 device record including one position coordinate within a proximity to the position coordinate in  
4 one user record, wherein the location description from the determined transmitting device  
5 record is added to the user record having the position coordinate within the proximity to the  
6 position coordinate of the determined transmitting device record.

1       34.     The article of manufacture of claim 25, wherein the transmitting device records  
2 further provide a time associated with the position coordinate indicating a time the transmitting  
3 device was located at the position coordinate.

1       35.     The article of manufacture of claim 25, wherein at least one transmitting device  
2 record indicates a location boundary defining multiple position coordinates, wherein the location  
3 description in the transmitting device record provides information on the location boundary.

1           36. The article of manufacture of claim 25, wherein the location description added  
2 from the transmitting device record to the record associated with the user includes a multimedia  
3 file providing information in a multimedia format on the location.